



Air Blower

Air Blower with optional Heater for Spa & Whirlpool Baths
Operating & Installation Instructions

Codes: 104.15.01 | 104.15.02 | 104.15.03 | 104.15.04



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OXYGON — Karavasilis Stergios & Co · N. Rysio, 57001 Thessaloniki, Greece
Tel: +30 2312 208 240 | info@oxygen.gr | www.oxygen.gr

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1. Safety Warnings

Read these instructions carefully before installing and using the Air Blower. This is an electrical appliance for spa and whirlpool baths — ignoring the warnings may cause electric shock, scalding or damage.

Risk of Electric Shock

The air blower must be earthed (grounded) to prevent electric shock or injury. All electrical work must be carried out by a qualified electrician. The supply must be protected by a residual current device (RCD) with a rated residual operating current not exceeding 30 mA. Parts containing live parts must be inaccessible to a person in the spa or bath.

Air Distributor Position

The air distributor must be installed HIGHER than the water level of the tub, so that water cannot flow back into the air blower.

Installation Location — IPX0

The air blower is rated IPX0: it is not protected against water. Install it outside zones 0, 1 and 2 as defined in IEC 60364-7-702 (spas and pools) or IEC 60364-7-701 (bathrooms), or inside the enclosure of a factory-built spa, where the spa enclosure protects it from water.

The blower outlet must never be blocked while operating.

If the outlet airflow is too small the air temperature will rise — take care to prevent scalding.

The connecting pipe must be heat-resistant (must not deform above 100 °C).

The blower must be installed fixed in place and the connecting pipe fastened.

Built-in protection: thermal protector TP16050, motor fuse, insulation class F, CE certified.

Note: This air blower carries the CE marking. It has been tested and found to conform to EN 60335-1, EN 60335-2-30, EN 60335-2-60, EN 60335-2-80 and EN 62233 under the Low Voltage Directive 2014/35/EU, and to EN 55014-1, EN 55014-2, EN IEC 61000-3-2 and EN 61000-3-3 under the EMC Directive 2014/30/EU. For warranty terms, see Section 6 — Warranty & Contact.

2. Technical Specifications

The Air Blower supplies a large volume of low-noise air to the hydro-air jets of a spa or whirlpool bath. An optional heat element gives a quick-dry function after use. A built-in thermal protector and motor fuse ensure safe operation.

Model	Power	Oxygen code (without / with heater)	Nozzles	Noise (single / double stage)
400 W class	360–400 W	—	12–24	75 / 73 dB(A)
700 W class	630–700 W	104.15.01 / 104.15.03	16–32	78 / 75 dB(A)
900 W class	820–900 W	104.15.02 / 104.15.04	20–40	80 / 78 dB(A)
Power supply		220–240 V / 50 Hz		
Degree of protection		IPX0 (not protected against water)		
Pump casing		High-temperature reinforced plastic		
Thermal protector		TP16050		
Insulation class		F		
Carbon brush life		≥ 1000 h (imported material)		
Air switch (optional)		15 A / 250 V		
Heat element (optional)		180 W — quick-dry function		
Connection Ø		Ø62 smooth outlet, or 1½" threaded (Ø32 / Ø33.5 / Ø48.5 / Ø50 unions)		
Certification		CE		

3. Installation

3.1 Positioning & Pipework

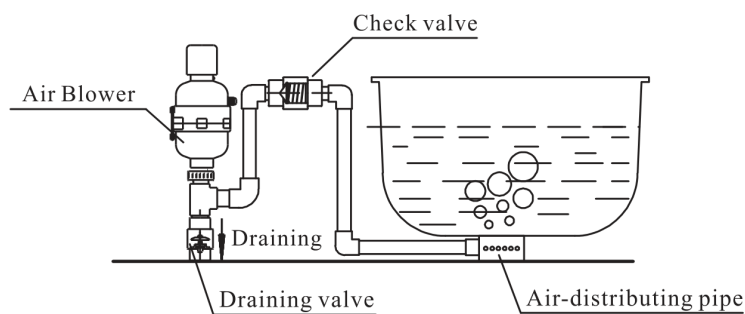
The number of air jets (nozzles) installed must be equal to or greater than the minimum for the blower model.

The air distributor must be mounted **HIGHER** than the bath water level, so water cannot enter the blower (see figure).

Use a heat-resistant connecting pipe (stable above 100 °C).

Fit a check valve on the air line to prevent water back-flow.

Install the blower fixed in position and fasten every pipe connection.



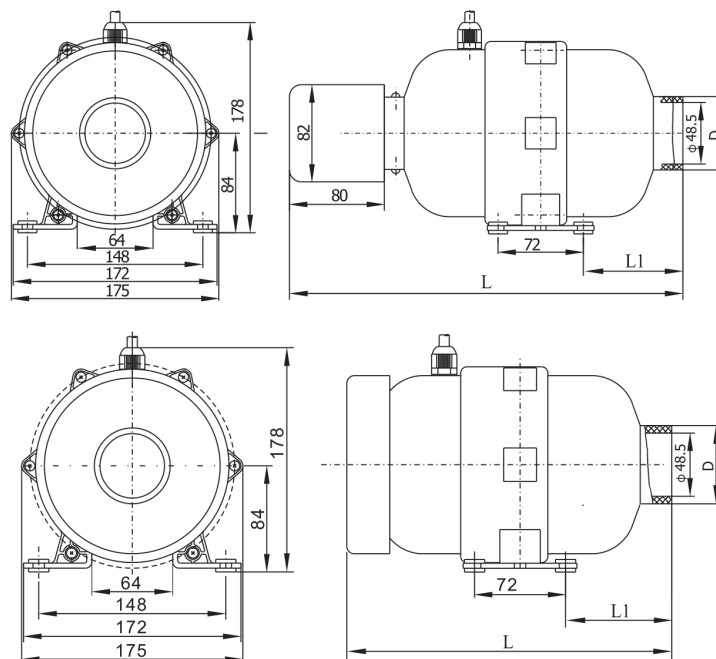
Air blower installed above water level, with check valve and air-distributing pipe

3.2 Dimensions & Connection

Body diameter Ø178 mm; mounting base 64 / 148 / 172 / 175 mm; height 82-84 mm.

Length L: 332 mm (single stage) / 352 mm (double stage); compact "G" model: 254 / 274 mm.

Outlet Ø62 mm smooth (direct connection Ø48.5), or 1½" threaded (union Ø32 / Ø33.5 / Ø48.5 / Ø50).



Installation structure & dimensions (mm) — standard model (top), compact G model (bottom)

4. Operation & Configurations

Air blowing: supplies pressurised air to the bath jets for hydro-air massage. Low-noise, high-airflow motor.

Quick-dry (optional heat element): after use, warm air dries the pipework and jets to keep the system hygienic.

Air switch (optional): pneumatic on/off switch (15 A / 250 V) for touch-safe control at the bath side.

Configuration	Option A	Option B
Power plug	With plug	No plug
Heat element (180 W)	With heat element	No heat element
Air switch	With air switch	No air switch

5. Troubleshooting

Fault	Cause	Solution
Blower does not start	No mains voltage / RCD tripped	Check the supply and reset the RCD.
Blower does not start	Thermal protector tripped	Let it cool; check the outlet is not blocked.
Weak airflow	Blocked outlet or air line	Clear the outlet, jets and air-distributing pipe.
Water in the blower	Distributor below water level / no check valve	Raise the distributor above water level; fit a check valve.
Air feels too hot	Airflow too small at the outlet	Increase the number of open jets to prevent scalding.
Excessive noise	Loose mounting or pipe	Fasten the blower and all pipe connections.
Blower does not start	Internal motor fuse blown	Do not open the motor; contact OXYGON service.
Blower stops after running for a while	Thermal protector trips: too few jets open or air line restricted	Open at least the minimum number of jets for the model (see Section 2) and clear the air line; let the motor cool before restarting.
Airflow drops gradually; motor sparks or runs rough	Carbon brushes worn (service life $\geq$ 1000 h)	Have the carbon brushes replaced by OXYGON service.
Air switch has no effect	Pneumatic hose disconnected, kinked or leaking	Check and reconnect the air-switch hose; replace it if damaged.
RCD trips again when the blower starts	Moisture or water inside the blower	Switch off at the supply and do not restart; have a qualified electrician inspect the blower, and check the check valve and the distributor height.
No warm air in quick-dry mode	Model without heat element, or heat element faulty	Check the configuration (Section 4); for models with heat element, contact OXYGON service.

6. Warranty & Contact

The Air Blower is covered against manufacturing defects in materials and workmanship under OXYGON's standard limited warranty. The warranty covers product quality only and does not include consumable parts (e.g. carbon brushes) or damage caused by water ingress, a blocked outlet or incorrect installation.

Keep this manual and the purchase document as your warranty certificate.

Repairs or replacements during the warranty period are carried out by OXYGON or an authorised service agent.

For service, provide the product code and a description of the fault to speed up assistance.

Contact Information

Company	OXYGON — Karavasilis Stergios & Co
Headquarters	N. Rysio, 57001 Thessaloniki, Greece
Phone	+30 2312 208 240
Mobile	+30 6945 157 589
email	info@oxygen.gr
website	www.oxygen.gr
Romania subsidiary	OXYGON SRL — Bucharest, Romania

ISO Certifications

9001:2015 Quality Management <i>EUROCERT</i>	14001:2015 Environmental Management <i>BQV</i>	45001:2018 Health & Safety <i>BQV</i>
22301:2019 Business Continuity <i>EUROCERT</i>	46001:2019 Water Efficiency <i>BQV</i>	

Recycling of materials must be carried out in accordance with applicable regulations.